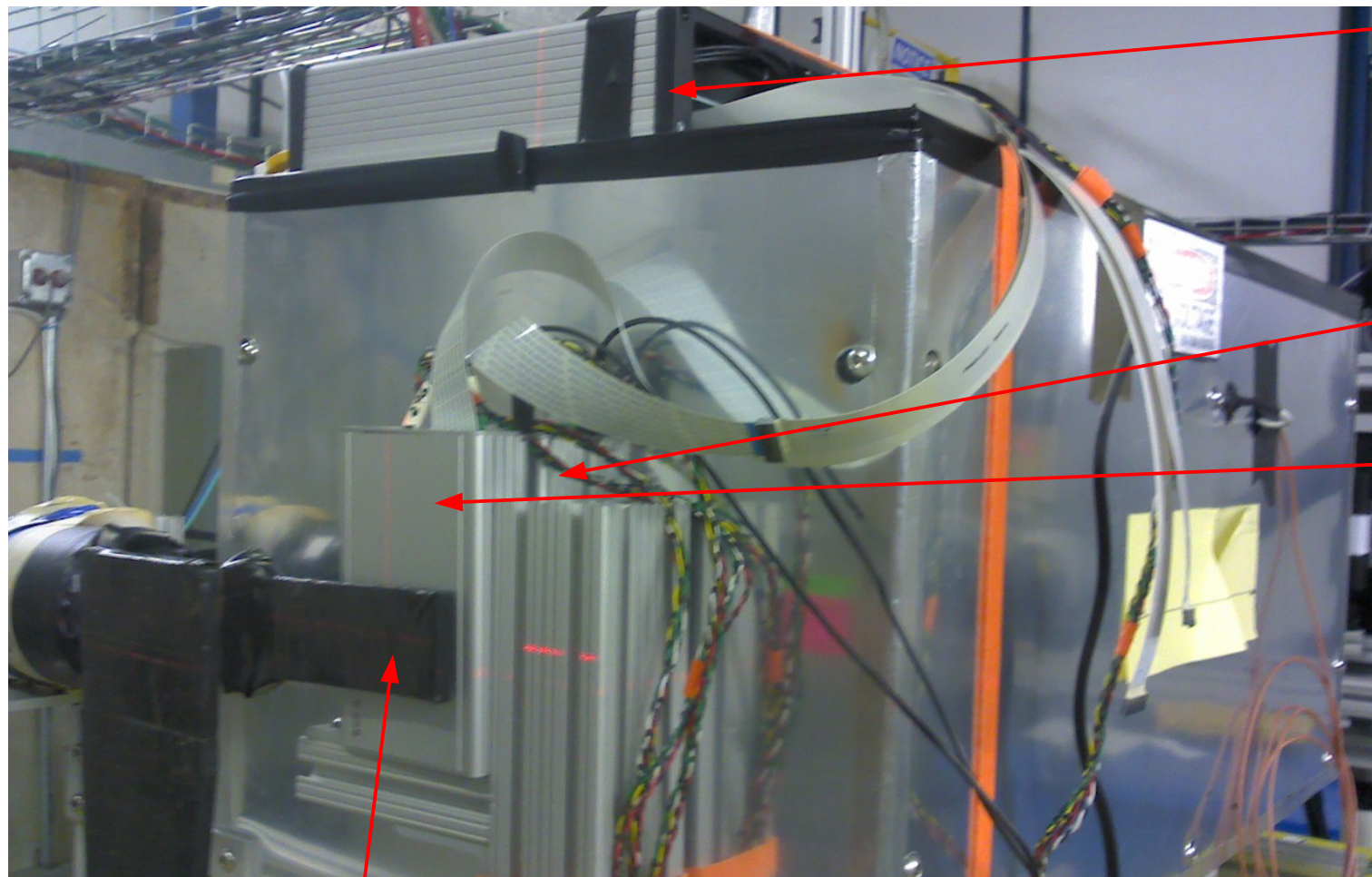


Silicon Hodoscope Setup in front of the Lead Spaghetti Calorimeter



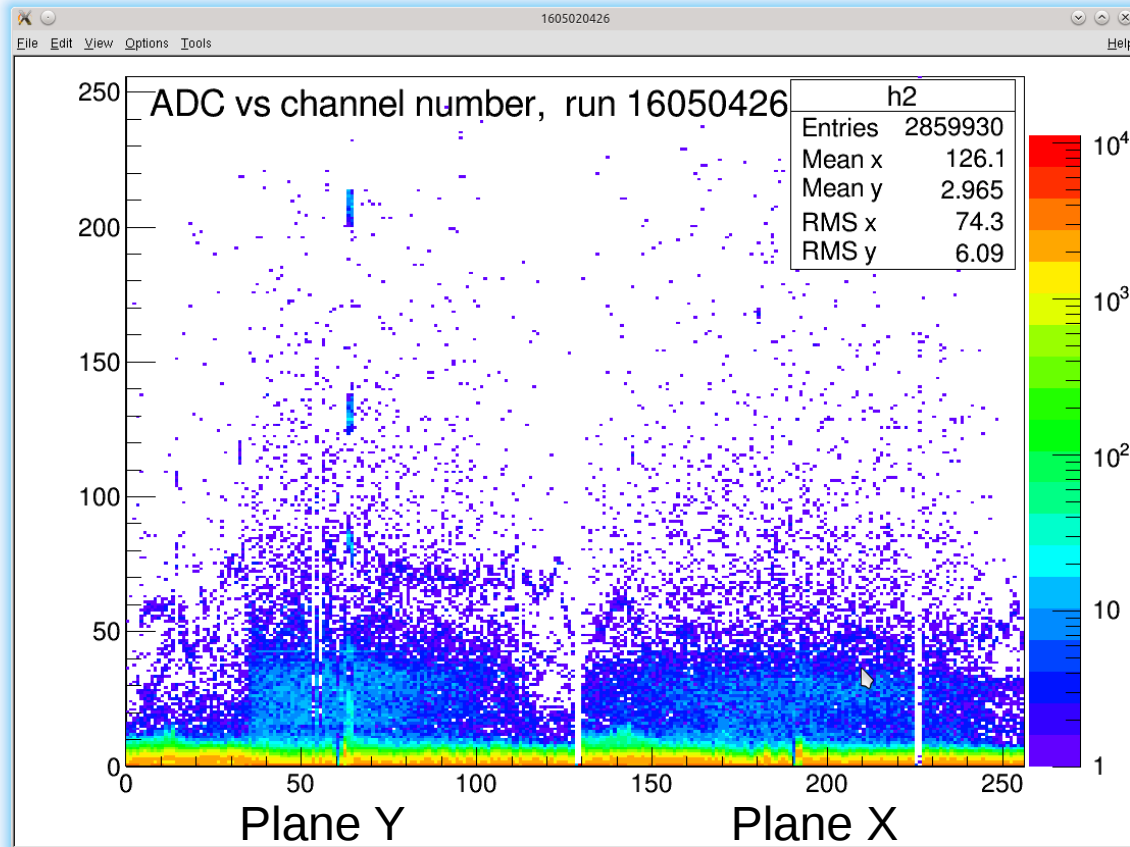
FEMBox

XY Box#1
analyzed

XY Box#2
Not in the data

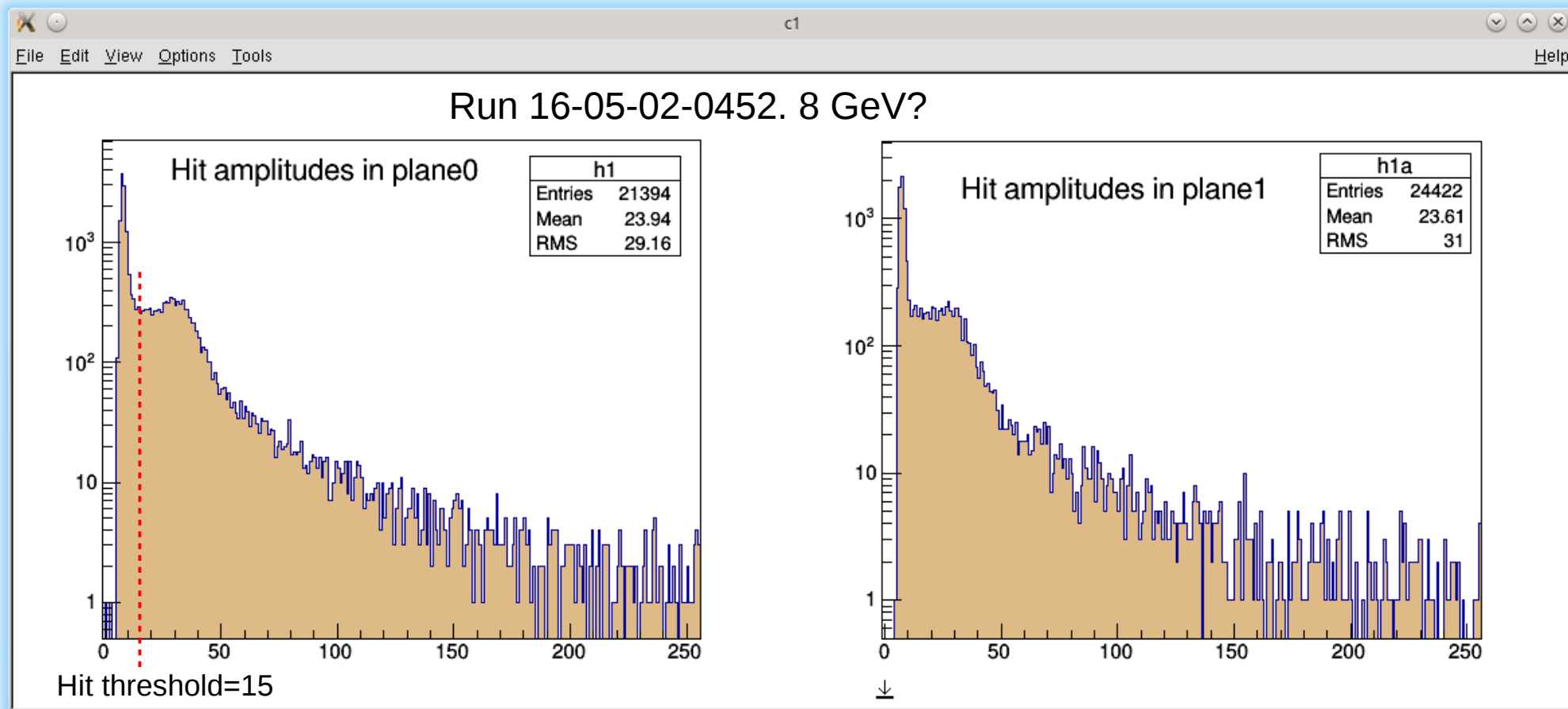
3 cm - wide
scintillator

Amplitudes of all Si Hodoscope channels of FNAL Run 2016-05-02-0452. 8Gev?



Common mode noise subtracted.
Pedestals not subtracted.

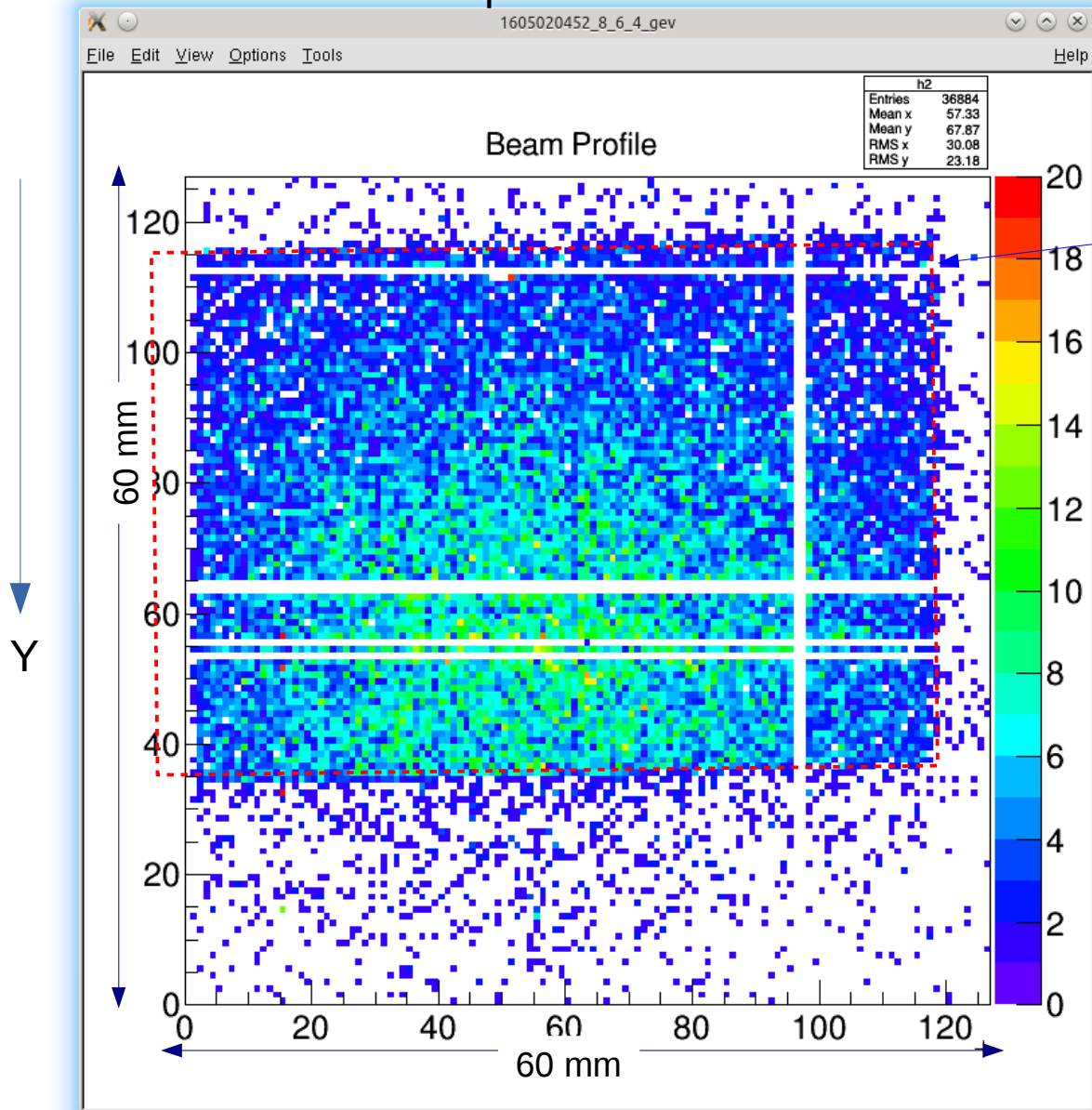
Hit amplitudes in plane0 (Y) and plane1 (X) of the Silicon Hodoscope.



Note, the MIP peak is smeared because the trigger was not synchronous with the internal clock, Clock phase detection was not functional for the external trigger.

Rms noise = 1.2, MIP (FWHM=2.8). Amplitude = 32. The **S/N(MIP) = 11.4**

Beam profile of run 16-05-02-0452



Recorded events: 225K

Hits: 43K

Efficiency: 19%

Trigger scintillator shadow

Cuts:

TCut cutPT = "hPARTime<7 || hPARTime>9";

TCut cutThreshold = "hitv[0]>15 && hitv[0]>15"